

# A List of Questions for Mathematics in Intelligence Studies

□ □ □ □ □ □

[illegible][illegible]

Turing Test □ driverless car □ AlphaGo Zero □□□□□□□□□□□□□□□□□□□□  
□□□□□□□□□□□□□□□□

**action potential** **Universal approximation theorem**

[illegible][illegible]

□ □ □ □ □ □ □

## 1 In Logic We Trust

[illegible]

## 2 In Math We trust

☐ ☐

☐ ☐ ☐ ☐

[illegible]

**AI**

### 3 In Physics We Trust

[illegible]

## 4□□□□□□□□

□□□□□□□□□□□□□□□□□□□□ 3□□□□□□□

5□□□□□□□□

1. 2. 3. Deepmind Waymo

[illegible][illegible]

**6□□□□□ 5□□□□□□□**

□ □

[illegible][illegible]

action potential approximation theorem Universal approximation theorem

[illegible][illegible]

□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □

[illegible]

```

integrity

```

Neurosciences

[illegible][illegible][illegible]

Turing Test driverless car AlphaGo Zero

Logical positivism logical empiricism positive

[illegible][illegible][illegible][illegible][illegible]

□ □ □ □ □ □ □ □ □ □

[illegible]

AlphaGo Zero

game Game Nature AlphaGo  
Zero superhuman performance generic human  
AlphaGo Zero retire

Demis Hassabis potentially a meta-solution to any problem  
a meta-solution to any problem

[illegible][illegible]

2)

**3)** The Selfish Gene (The Immortal Gene)

[illegible]

“IT 是一個非常複雜的系統，它需要一個非常專業的人來操作。如果我們不能操作好它，我們就無法利用它。所以，我們需要一個專業的人來操作它。這就是我們需要一個專業的人的原因。”






























AlphaGo Zero

[illegible]

□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □

[illegible][illegible][illegible][illegible]

irreproducible





Demis Hassabis is a computer scientist and neuroscientist who has worked at Google DeepMind. He is known for his work on artificial intelligence, particularly in the area of reinforcement learning. He has been instrumental in the development of AlphaGo, a program that defeated the world champion Go player. He is also a co-founder of the company DeepMind, which is now a subsidiary of Google. He has a PhD in neuroscience from the University of Cambridge and has published numerous papers on the intersection of neuroscience and artificial intelligence. He is a member of the Royal Society and has received several awards, including the Turing Award in 2017. He is currently a research scientist at DeepMind and is working on developing more advanced artificial intelligence systems. He is also a member of the board of trustees of the Allen Institute for Brain Science. He is a passionate advocate for the responsible use of artificial intelligence and is actively involved in various initiatives to promote transparency and accountability in AI development. He is also a member of the Future of Life Institute and is working on developing guidelines for the ethical use of artificial intelligence. He is a frequent speaker at conferences and has been featured in several documentaries and books. He is a very accomplished and influential figure in the field of artificial intelligence and neuroscience.

Demis Hassabis is a computer scientist and neuroscientist who has worked at Google DeepMind. He is known for his work on artificial intelligence, particularly in the area of reinforcement learning. He has been instrumental in the development of AlphaGo, a program that defeated the world champion Go player. He is also a co-founder of the company DeepMind, which is now a subsidiary of Google. He has a PhD in neuroscience from the University of Cambridge and has published numerous papers on the intersection of neuroscience and artificial intelligence. He is a member of the Royal Society and has received several awards, including the Turing Award in 2017. He is currently a research scientist at DeepMind and is working on developing more advanced artificial intelligence systems. He is also a member of the board of trustees of the Allen Institute for Brain Science. He is a passionate advocate for the responsible use of artificial intelligence and is actively involved in various initiatives to promote transparency and accountability in AI development. He is also a member of the Future of Life Institute and is working on developing guidelines for the ethical use of artificial intelligence. He is a frequent speaker at conferences and has been featured in several documentaries and books. He is a very accomplished and influential figure in the field of artificial intelligence and neuroscience.

### 3. AI

AI is a field of computer science that deals with the creation of intelligent machines that can perform tasks that would normally require human intelligence. This includes tasks such as learning, reasoning, problem-solving, perception, and language understanding. AI is a broad and interdisciplinary field that draws on knowledge from many other areas, including mathematics, psychology, linguistics, and philosophy. There are many different approaches to AI, including symbolic AI, connectionist AI, and hybrid AI. Symbolic AI is based on the idea of representing knowledge as a set of symbols and rules, while connectionist AI is based on the idea of representing knowledge as a network of interconnected nodes. Hybrid AI combines elements of both symbolic and connectionist AI. AI has many applications in a wide range of fields, including medicine, finance, transportation, and entertainment. It is a very active and rapidly evolving field, and there is a lot of excitement about the potential of AI to revolutionize many aspects of our lives.

AI is a field of computer science that deals with the creation of intelligent machines that can perform tasks that would normally require human intelligence. This includes tasks such as learning, reasoning, problem-solving, perception, and language understanding. AI is a broad and interdisciplinary field that draws on knowledge from many other areas, including mathematics, psychology, linguistics, and philosophy. There are many different approaches to AI, including symbolic AI, connectionist AI, and hybrid AI. Symbolic AI is based on the idea of representing knowledge as a set of symbols and rules, while connectionist AI is based on the idea of representing knowledge as a network of interconnected nodes. Hybrid AI combines elements of both symbolic and connectionist AI. AI has many applications in a wide range of fields, including medicine, finance, transportation, and entertainment. It is a very active and rapidly evolving field, and there is a lot of excitement about the potential of AI to revolutionize many aspects of our lives.

AI is a field of computer science that deals with the creation of intelligent machines that can perform tasks that would normally require human intelligence. This includes tasks such as learning, reasoning, problem-solving, perception, and language understanding. AI is a broad and interdisciplinary field that draws on knowledge from many other areas, including mathematics, psychology, linguistics, and philosophy. There are many different approaches to AI, including symbolic AI, connectionist AI, and hybrid AI. Symbolic AI is based on the idea of representing knowledge as a set of symbols and rules, while connectionist AI is based on the idea of representing knowledge as a network of interconnected nodes. Hybrid AI combines elements of both symbolic and connectionist AI. AI has many applications in a wide range of fields, including medicine, finance, transportation, and entertainment. It is a very active and rapidly evolving field, and there is a lot of excitement about the potential of AI to revolutionize many aspects of our lives.

### 4. good judgement

Good judgement is the ability to make sound decisions based on a careful analysis of the facts and circumstances. It is a skill that is essential for success in many areas of life, including business, politics, and personal relationships. Good judgement involves the ability to weigh the pros and cons of different options, to anticipate the consequences of different actions, and to choose the best course of action based on the available information. It is a skill that can be developed through practice and experience. Good judgement is also closely related to wisdom, which is the ability to apply knowledge and experience to make sound decisions. Good judgement is a valuable skill that is essential for success in many areas of life.

Good judgement is the ability to make sound decisions based on a careful analysis of the facts and circumstances. It is a skill that is essential for success in many areas of life, including business, politics, and personal relationships. Good judgement involves the ability to weigh the pros and cons of different options, to anticipate the consequences of different actions, and to choose the best course of action based on the available information. It is a skill that can be developed through practice and experience. Good judgement is also closely related to wisdom, which is the ability to apply knowledge and experience to make sound decisions. Good judgement is a valuable skill that is essential for success in many areas of life.

Good judgement is the ability to make sound decisions based on a careful analysis of the facts and circumstances. It is a skill that is essential for success in many areas of life, including business, politics, and personal relationships. Good judgement involves the ability to weigh the pros and cons of different options, to anticipate the consequences of different actions, and to choose the best course of action based on the available information. It is a skill that can be developed through practice and experience. Good judgement is also closely related to wisdom, which is the ability to apply knowledge and experience to make sound decisions. Good judgement is a valuable skill that is essential for success in many areas of life.

Good judgement is the ability to make sound decisions based on a careful analysis of the facts and circumstances. It is a skill that is essential for success in many areas of life, including business, politics, and personal relationships. Good judgement involves the ability to weigh the pros and cons of different options, to anticipate the consequences of different actions, and to choose the best course of action based on the available information. It is a skill that can be developed through practice and experience. Good judgement is also closely related to wisdom, which is the ability to apply knowledge and experience to make sound decisions. Good judgement is a valuable skill that is essential for success in many areas of life.

Good judgement is the ability to make sound decisions based on a careful analysis of the facts and circumstances. It is a skill that is essential for success in many areas of life, including business, politics, and personal relationships. Good judgement involves the ability to weigh the pros and cons of different options, to anticipate the consequences of different actions, and to choose the best course of action based on the available information. It is a skill that can be developed through practice and experience. Good judgement is also closely related to wisdom, which is the ability to apply knowledge and experience to make sound decisions. Good judgement is a valuable skill that is essential for success in many areas of life.

Good judgement is the ability to make sound decisions based on a careful analysis of the facts and circumstances. It is a skill that is essential for success in many areas of life, including business, politics, and personal relationships. Good judgement involves the ability to weigh the pros and cons of different options, to anticipate the consequences of different actions, and to choose the best course of action based on the available information. It is a skill that can be developed through practice and experience. Good judgement is also closely related to wisdom, which is the ability to apply knowledge and experience to make sound decisions. Good judgement is a valuable skill that is essential for success in many areas of life.

game

game is a form of entertainment that involves a set of rules and a goal. It is a very popular form of entertainment and is enjoyed by people of all ages. Games can be played individually or in groups and can be played for fun or for competition. Games can be physical or mental and can be played indoors or outdoors. Games are a great way to spend time with friends and family and can be a great source of entertainment. Games can also be a great way to learn and to develop skills. Games are a very important part of our lives and are enjoyed by people of all ages.

game is a form of entertainment that involves a set of rules and a goal. It is a very popular form of entertainment and is enjoyed by people of all ages. Games can be played individually or in groups and can be played for fun or for competition. Games can be physical or mental and can be played indoors or outdoors. Games are a great way to spend time with friends and family and can be a great source of entertainment. Games can also be a great way to learn and to develop skills. Games are a very important part of our lives and are enjoyed by people of all ages.

game is a form of entertainment that involves a set of rules and a goal. It is a very popular form of entertainment and is enjoyed by people of all ages. Games can be played individually or in groups and can be played for fun or for competition. Games can be physical or mental and can be played indoors or outdoors. Games are a great way to spend time with friends and family and can be a great source of entertainment. Games can also be a great way to learn and to develop skills. Games are a very important part of our lives and are enjoyed by people of all ages.



